

WHAT IS CLAIMED IS:

1. A relay unit comprising:
a plurality of relays; and

5 a power supply bus bar supplying power supply current to said plurality of relays;

wherein said power supply bus bar allows power supply current to be supplied to said plurality of relays via respective fuses.

- 10 2. The relay unit according to claim 1, wherein:

each of said relays includes a pair of switch connector circuit components between which a relay switch element is intervened and a pair of coil connector circuit components between which a relay coil element is intervened, wherein one of said switch connector circuit components is formed with a downstream fuse connector portion to which each of said fuses is electrically coupled and a relay terminal to which a connected is electrically coupled.

- 15 3. The relay unit according to claim 2, wherein:

the other one of said switch connector circuit components and said pair of coil circuit are formed with relay terminals to be electrically connected to relevant connectors, respectively.

- 20 4. The relay unit according to claim 1, wherein:

said power supply bus bar is located at an inner surface of a unit case.

- 25 5. The relay unit according to claim 2, wherein:

said power supply bus bar is formed with an upstream fuse connector portion; and

30 said downstream fuse connector portion formed on said one of said switch connector circuit components and said upstream fuse connector portion formed on said power supply bus bar are located in an opposed relationship to form a pair of fuse connector components.

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5 6. An electrical junction box comprising:

a plurality of relays; and

a power supply bus bar supplying power supply current to said plurality of relays;

wherein said power supply bus bar allows power supply current to be supplied to said plurality of relays via respective fuses.

10 7. The electrical junction box according to claim 6, wherein:

each of said plurality of relays has one terminal formed with a fuse connector portion; and further comprising:

a plurality of fuses each formed with a downstream terminal to which said one terminal is electrically coupled via said fuse connector portion; and

a box body enclosing at least said plurality of relays and said plurality of fuses;

wherein said box body has a plurality of relay compartments receiving said plurality of relays, respectively, and a plurality of fuse cavities receiving said plurality of fuses, respectively.

20 8. The electrical junction box according to claim 7, wherein:

said box body is formed to have a structure wherein said one terminal of said each relay is located at a position opposite to the other terminal of said each relay to allow each of said plurality of fuses to be located in a stacked state with said one terminal of said each relay.

25 9. The electrical junction box according to claim 8, wherein:

said box body further has a plurality of connector joint portions each in the vicinity of said other terminal of said each relay to allow each connector fixed to a wire harness to be coupled to said other terminal.

30 10. The electrical junction box according to claim 9, further comprising:

a lower cover to which said box body is mounted such that said each connector joint portion is separated from a bottom wall of said lower cover

by a given distance.

11. The electrical junction box according to claim 8, wherein:

5 said box body has another plurality of fuse cavities formed along said plurality of relays, each formed between neighboring fuses connected to said respective relays for receiving another plurality of fuses which are out of electrical connection with said plurality of fuses.

12. The electrical junction box according to claim 7, further comprising:

10 at least upstream terminals formed on said plurality of fuses, respectively; and

a power supply bus bar providing electrical connection between said upstream terminals and an electrical power supply section externally applied with electric power supply.